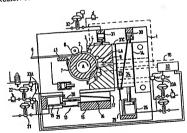
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(54) Title: CONTINUOUS EXTRUSION USING DYNAMIC SHOE POSITIONING



A continuous extrusion machine has a chassis (1) supporting a wheel (2) for rotation by a motor. An endless groove (7) extends A continuous extrusion machine has a classis (1) supporting a wheel (2) for rotation by a motor. An enaless groove (1) extenses are of the wheel (2), A shoe (3) is mounted in the chassis (1) and has an enveloping surface shaped to closely envelop are of the wheel (2) periphery so that the groove (7) co-operates with the shoe (3) to form a passage. An abutment is mounted on the shoe (3) to extend into the passage at a doubtrained and the shoe (3) including a die such that a material such as aboundable of the context for fell that the groote (7) is extended through the die as a consequence of the energy transfer wis friction from the (57) Abstract since (3) to extend into the passage at a downstream end. Toolling is mounted in the shoe (3) including a die such that a material such as a aluminium or copper har fed into the prove (7) is extruded through the die as consequence of the energy transfer via friction from the rotating wheel (2). A ggs (12) exists between the enveloping surface and the wheel (2). The ggs (12) is used to provide the original control of the shoe (3) whereby the size pgs (12) can be accurately and directly measured. The ggs (12) size sensed is used to control the original control of the shoe (3) in two directions minually expressed to the some gap (12) sensor whereby the size of the gap (12) can be accurately and directly measured. The gap (12) size sensed is used to control the position of the shoe (3) in two directions mutually perpendicular to the rotary axis of the wheel (2) by adjusting support structures which support the shoe (3). The size and shape of the gap (12) can thus be safely adjusted while the machine is extruding allowing the strip and show of the gap (12) to be adjusted for continuous performances. which support in since (3). The size and shape of the gap (12) can thus size and shape of the gap (12) to be adjusted for optimum performance.